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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/735,537	12/12/2003	Chan Ki Kim	DYA-0011	2716	
23413	7590 11/02/2005		EXAM	EXAMINER	
CANTOR COLBURN, LLP			PATEL, RAJNIKANT B		
55 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002			ART UNIT	PAPER NUMBER	
	•		2838		
			DATE MAILED: 11/02/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/735,537	KI KIM ET AL.				
Office Action Summary	Examiner	Art Unit				
	Rajnikant B. Patel	2838				
The MAILING DATE of this communica		vith the correspondence addi	ress			
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICA - Extensions of time may be available under the provisions of 3 after SIX (6) MONTHS from the mailing date of this communic - If the period for reply specified above is less than thirty (30) d. - If NO period for reply is specified above, the maximum statuto - Failure to reply within the set or extended period for reply will, Any reply received by the Office later than three months after earned patent term adjustment. See 37 CFR 1.704(b).	ATION. 7 CFR 1.136(a). In no event, however, may a cation. ays, a reply within the statutory minimum of the company of the company period will apply and will expire SIX (6) MC by statute, cause the application to become	a reply be timely filed nirty (30) days will be considered timely. DNTHS from the mailing date of this com ABANDONED (35 U.S.C. § 133).	nmunication.			
Status						
1) Responsive to communication(s) filed of	on 14 September 2005.					
•	·					
·						
Disposition of Claims						
4) ⊠ Claim(s) <u>1-6</u> is/are pending in the appli 4a) Of the above claim(s) is/are solutions. 5) ☐ Claim(s) is/are allowed. 6) ☒ Claim(s) <u>1-6</u> is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restrictions.	withdrawn from consideration.					
Application Papers						
9) The specification is objected to by the E 10) The drawing(s) filed on is/are: a Applicant may not request that any objection Replacement drawing sheet(s) including the 11) The oath or declaration is objected to b) accepted or b) objected to on to the drawing(s) be held in abeyone e correction is required if the drawin	ance. See 37 CFR 1.85(a). ng(s) is objected to. See 37 CFF				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for a) All b) Some * c) None of: 1. Certified copies of the priority do 2. Certified copies of the priority do 3. Copies of the certified copies of application from the Internationa * See the attached detailed Office action f	cuments have been received. cuments have been received in the priority documents have bee I Bureau (PCT Rule 17.2(a)).	Application No en received in this National S	Stage			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO 3) Information Disclosure Statement(s) (PTO-1449 or PT Paper No(s)/Mail Date	9-948) Paper N	v Summary (PTO-413) o(s)/Mail Date f Informal Patent Application (PTO- 	·152)			

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-6 have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's prior art figure 2 in combination with Cheng et al. (U.S. patent # 5,757,099). Applicant's prior art discloses claimed subject matters a 12th active filter (figure 2), Including a passive filter with a condenser, an inductor and a resistor (figure 2, item 7-1), a three phase structure (figure 2, item Phase A, B and C), a switch (figure 2, item 2-3), a voltage source converter (figure 2, item 2-4), a transformer (figure 2, item 2-2), a firing unit (figure 2, item 2-7), a control unit (figure 2, item 2-6) and a signal detection unit (figure 2, item 2-5). However applicant's prior art does not disclose the utilization of the technique for one passive filter per phase. Cheng et al. teaches the utilization of the

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similar technique for one passive filter per phase (figure 4, item 34). It would have been obvious one having an ordinary skill in the art at the time the invention was made to modify applicant prior art's invention by utilizing the technique taught by Cheng et al. for the purpose of improve the efficiency of the active filter. In regards to claims 2-6, Applicant's prior art discloses claimed subject matters. Further Applicant's prior art in combination with Cheng et al.'s filter circuit meets the structure limitation.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rajnikant B. Patel whose telephone number is 571-2722082. The examiner can normally be reached on 6.30-5.00; m-f.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry can be reached on 571-272-2084. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). Repriva B. barr

Rajnikant B Patel **Primary Examiner**

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